

SEQUENCE LISTING

<110> Pagratis, Nikos
Lochrie, Michael
Gold, Larry

<120> High Affinity TGF β Nucleic Acid Ligands and
Inhibitors

<130> NEX87

<140> 09/363,939

<141> 1999-07-29

<150> 09/046,247
<151> 1998-03-23

<150> 08/458,424
<151> 1995-06-02

<150> 07/714,131
<151> 1991-06-10

<150> 07/931,473
<151> 1992-08-17

<150> 07/964,624
<151> 1992-10-21

<150> 08/117,991
<151> 1993-09-08

<150> 07/536,428
<151> 1990-06-11

<160> 216

<170> PatentIn Ver. 2.0

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<223> Feature N at positions 17-56 is A, C, G or T.

<400> 1
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atcgtcctcc c 71

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<210> 2
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<210> 3
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<400> 3
tcgggcgagt cgtctg                                              16

<210> 4
<211> 88
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<220>
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<222> (1)..(88)
<223> Feature N at positions 33-72 is A, C, G or T.

<400> 4
taatacgact cactataggg aggacgatgc ggnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nncagacgac tcgcccga                                         88

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<223> Feature N at positions 33-72 is A, C, G or T.

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attatgctga gtgatatccc tcctgctacg ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nngtctgctg agcgggct 88

<210> 6
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<220>
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<222> (1)..(71)
<223> All pyrimidines are 2'F; feature N at positions 16-55 is A, 2'-FC, G or 2'-FU.

<400> 6
gggaggacga ugcggnnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnncagac 60
gacucgcccc a 71

<210> 7
<211> 65
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<222> (1)..(65)
<223> Feature N at positions 16-49 is SEQ ID NO: 115 and A, C, G or T.

<400> 7
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cccgaa 65

<210> 8
<211> 82
<212> DNA
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<223> Feature N at positions 33-66 is SEQ ID NO: 115 and A, C, G or T.

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<400> 12
ggcagaattc tcatctactt agtcgggcga gtcgtctg 38

<210> 13
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<400> 13
agcggtataac aatttcacac agg 23

<210> 14
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<400> 14
gtgctgcaag gcgatatagt tgg 23

<210> 15
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<400> 15
actttatgct tccggctcg 19

<210> 16
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<400> 16
gccaaatgcc gagagaacg 19

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<210> 17
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<400> 17
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<210> 18
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gggagttacag ctatacag                                18

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<223> Bases at positions 5-15 are 2'-OMe.

<400> 19
ccgcaugcuc cuccc                                15

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<211> 14
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<220>
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<223> Bases at positions 1-12 are 2'-OMe.

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<223> All pyrimidines are 2'F.

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a 61

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gacucgccccg a 71

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<223> All pyrimidines are 2'F.

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gacucgccccg a 71

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<212> RNA
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<223> All pyrimidines are 2'F.

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gacucgccccg a 71

<210> 25
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<212> RNA
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cucgccccga 69

<210> 26
<211> 71
<212> RNA
<213> Artificial Sequence

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gacucgccccg a 71

<210> 27
<211> 71
<212> RNA
<213> Artificial Sequence

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gacucgcccc a 71

<210> 28
<211> 71
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<223> All pyrimidines are 2'F.

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gacucgcccc g 71

<210> 29
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<212> RNA
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gacucgcccc a 71

<210> 30
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<223> All pyrimidines are 2'F.

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gacucgccccg a 71

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gacucgccccg a 71

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gacucgccccg g 71

<210> 33
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gacucgccccg a 71

<210> 35
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a 61

<210> 36
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gacucgccccg a 71

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<223> All pyrimidines are 2'F.

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cucgccccga 69

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gacucgccccg a 71

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<223> All pyrimidines are 2'F.

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acucgccccga 70

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gacucgcccc a 71

<210> 41
<211> 71
<212> RNA
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gacucgcccc a 71

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<223> All pyrimidines are 2'F.

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acucgcccc a 70

<210> 43
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<212> RNA
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<222> (1)...(71)
<223> All pyrimidines are 2'F.

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gacucgccccg a 71

<210> 44
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<212> RNA
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<223> All pyrimidines are 2'F.

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gacucgccccg a 71

<210> 45
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<223> All pyrimidines are 2'F.

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<212> RNA
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acucgcccga 70

<210> 47
<211> 71
<212> RNA
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gacucgcccga a 71

<210> 48
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<212> RNA
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gacucgcccga a 71

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<211> 61
<212> RNA
<213> Artificial Sequence

<220>
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a 61

<210> 50
<211> 71
<212> RNA
<213> Artificial Sequence

<220>
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<223> All pyrimidines are 2'F.

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gacucgccccg a 71

<210> 51
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<212> RNA
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acucgccccg a 70

<210> 52
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<212> RNA
<213> Artificial Sequence

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acucgcccga 70

<210> 53
<211> 71
<212> RNA
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<220>
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<223> All pyrimidines are 2'F.

<400> 53
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gacucgcccga a 71

<210> 54
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acucgcccga 70

<210> 55
<211> 70
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acucgccccga 70

<210> 56
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<400> 56
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gacucgccccg a 71

<210> 57
<211> 71
<212> RNA
<213> Artificial Sequence

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<223> All pyrimidines are 2'F.

<400> 57
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gacucgccccg a 71

<210> 58
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<212> RNA
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<220>
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<223> All pyrimidines are 2'F.

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gacucgccccg a

71

<210> 59
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<220>
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Sequence

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<223> All pyrimidines are 2'F.

<400> 59
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a 61

<210> 60
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<223> All pyrimidines are 2'F.

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gacucgccccg a 71

<210> 61
<211> 70
<212> RNA
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<220>
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<220>
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<222> (1)..(70)
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<400> 61
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acucgccccg a 70

<210> 62

<211> 71
<212> RNA
<213> Artificial Sequence

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<220>
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<400> 62
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gacucgccccg a 71

<210> 63
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<220>
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<223> All pyrimidines are 2'F.

<400> 63
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gacucgccccg a 71

<210> 64
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<212> RNA
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<220>
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<220>
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gacucgccccg a 71

<210> 65
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<212> RNA
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<220>
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<400> 65
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gacucgccccg a 71

<210> 66
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<212> RNA
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<220>
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<220>
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<400> 66
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gacucgccccg a 71

<210> 67
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<212> RNA
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<220>
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<220>
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gacucgccccg a 71

<210> 69
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<210> 70
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<210> 72
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acucgcccc a 70

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<210> 78
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acucgcccga 70

<210> 79
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acucgcccga 70

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<210> 86
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<212> RNA
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gacucgcccga a 71

<210> 87
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acucgcccga 70

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<211> 36

<212> RNA

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<400> 105
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<210> 106
<211> 33
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<210> 107
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<210> 115
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Sequence

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33

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32

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<210> 122
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 1 5 10 15

Val Arg Gln Leu Tyr Ile Asp Phe Arg Lys Asp Leu Gly Trp Lys Trp
 20 25 30

Ile His Glu Pro Lys Gly Tyr His Ala Asn Phe Cys Leu Gly Pro Cys
 35 40 45

Pro Tyr Ile Trp Ser Leu Asp Thr Gln Tyr Ser Lys
 50 55 60

<210> 123
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 <212> PRT
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<220>
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 Ala Leu Asp Ala Ala Tyr Cys Phe Arg Asn Val Gln Asp Asn Cys Cys
 1 5 10 15

Leu Arg Pro Leu Tyr Ile Asp Phe Lys Arg Asp Leu Gly Trp Lys Trp
20 25 30

Ile His Glu Pro Lys Gly Tyr Asn Ala Asn Phe Cys Ala Gly Ala Cys
35 40 45

Pro Tyr Leu Trp Ser Ser Asp Thr Gln His Ser Arg
50 55 60

<210> 124
<211> 60
<212> PRT
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<220>
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<400> 124
Ala Leu Asp Thr Asn Tyr Cys Phe Arg Asn Leu Glu Glu Asn Cys Cys
1 5 10 15

Val Arg Pro Leu Tyr Ile Asp Phe Arg Gln Asp Leu Gly Trp Lys Trp
20 25 30

Val His Glu Pro Lys Gly Tyr Tyr Ala Asn Phe Cys Ser Gly Pro Cys
35 40 45

Pro Tyr Leu Arg Ser Ala Asp Thr Thr His Ser Thr
50 55 60

<210> 125
<211> 52
<212> PRT
<213> Artificial Sequence

<220>
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<400> 125
Val Leu Ala Leu Tyr Asn Gln His Asn Pro Gly Ala Ser Ala Ala Pro
1 5 10 15

Cys Cys Val Pro Gln Ala Leu Glu Pro Leu Pro Ile Val Tyr Tyr Val
20 25 30

Gly Arg Lys Pro Lys Val Glu Gln Leu Ser Asn Met Ile Val Arg Ser
35 40 45

Cys Lys Cys Ser
50

<210> 126

<211> 52
<212> PRT
<213> Artificial Sequence

<220>
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<400> 126

Val	Leu	Ser	Leu	Tyr	Asn	Thr	Ile	Asn	Pro	Glu	Ala	Ser	Ala	Ser	Pro
1				5				10						15	

Cys Cys Val Ser Gln Asp Leu Glu Pro Leu Thr Ile Leu Tyr Tyr Ile

		20			25						30				
--	--	----	--	--	----	--	--	--	--	--	----	--	--	--	--

Gly Lys Thr Pro Lys Ile Glu Gln Leu Ser Asn Met Ile Val Lys Ser

		35			40					45					
--	--	----	--	--	----	--	--	--	--	----	--	--	--	--	--

Cys Lys Cys Ser

	50														
--	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--

<210> 127
<211> 52
<212> PRT
<213> Artificial Sequence

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<400> 127

Val	Leu	Gly	Leu	Tyr	Asn	Thr	Leu	Asn	Pro	Glu	Ala	Ser	Ala	Ser	Pro
1				5				10					15		

Cys Cys Val Pro Gln Asp Leu Glu Pro Leu Thr Ile Leu Tyr Tyr Val

		20			25					30					
--	--	----	--	--	----	--	--	--	--	----	--	--	--	--	--

Gly Arg Thr Pro Lys Val Glu Gln Leu Ser Asn Met Val Val Lys Ser

		35			40					45					
--	--	----	--	--	----	--	--	--	--	----	--	--	--	--	--

Cys Lys Cys Ser

	50														
--	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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<210> 131
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<220>
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<210> 137
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<210> 138
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<222> (1)..(57)
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 <400> 139
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<210> 140
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<210> 141
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 <212> RNA
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<220>
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<210> 145
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<210> 146
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cccga 65

<210> 147
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ccga 64

<210> 148
<211> 65
<212> RNA
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<220>
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<223> All pyrimidines are 2'F.

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cccgaa 65

<210> 149
<211> 65
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cccgaa 65

<210> 150
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cccgaa 65

<210> 151
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<223> All pyrimidines are 2'F.

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cccgaa 65

<210> 152

<211> 65

<212> RNA

<213> Artificial Sequence

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cccgaa 65

<210> 153

<211> 65

<212> RNA

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Sequence

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<223> All pyrimidines are 2'F.

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cccgaa 65

<210> 154

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cccga 65

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cccga 65

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cccga 65

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cccga 65

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cccgaa 65

<210> 159
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cccgaa 65

<210> 160
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cccgaa 65

<210> 161
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cccgaa 65

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cccgaa 65

<210> 163
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cccgaa 65

<210> 164
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<400> 164
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cccgaa 65

<210> 165
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cccgaa 65

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cccgaa 65

<210> 167
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cccgaa 65

<210> 168
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cccgaa 65

<210> 169
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<223> All pyrimidines are 2'F.

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cccgaa 65

<210> 170
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<223> All pyrimidines are 2'F.

<400> 170
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cccga                                         65

<210> 171
<211> 34
<212> RNA
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<220>
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<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions
      1-5, 8, 11, 13-16, 20, 22, 24-25, 28 and 30 are
      2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 171
ggagguuauu acagagucug uauagcugua cucc                                         34

<210> 172
<211> 34
<212> RNA
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<220>
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<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions
      11, 13-16, 20, 22, 24-25, 28 and 30 are 2'OCH3;
      linkage at positions 34 and 35 is 3'-3'.

<400> 172
ggagguuauu acagagucug uauagcugua cucc                                         34

<210> 173
<211> 34
<212> RNA
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<220>
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      Sequence

<220>
<221> modified_base

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<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions 1-4 are 2'OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 173
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<210> 174
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<212> RNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic Sequence

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<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions 5, 8, and 11 are 2'OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 174
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<210> 175
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<212> RNA
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<400> 175
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<210> 176
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<212> RNA
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<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions 20, 22 and 24 are 2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 176
ggagguuauu acagagucug uauagcugua cucc 34

<210> 177
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<212> RNA
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<223> All pyrimidines are 2'F; a's and g's at positions 25, 28 and 30 are 2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 177
ggagguuauu acagagucug uauagcugua cucc 34

<210> 178
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
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<221> modified_base
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<223> All pyrimidines are 2'F; g at position 20 is 2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 178
ggagguuauu acagagucug uauagcugua cucc 34

<210> 179
<211> 34
<212> RNA
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<220>
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<223> All pyrimidines are 2'F; a at position 22 is
2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 179
ggagguuauu acagagucug uauagcugua cucc 34

<210> 180

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Sequence

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<223> All pyrimidines are 2'F; a at position 24 is
2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 180
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<210> 181
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<220>
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Sequence

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<223> All pyrimidines are 2'F; a's and g's at positions
1-5, 8, 11, 25 and 30 are 2'-OCH3; linkage at
positions 34 and 35 is 3'-3'.

<400> 181
ggagguuauu acagagucug uauagcugua cucc 34

<210> 182
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
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Sequence

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<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions

1-5, 8, 11, 13-16, 24-25, 28 and 30 are 2'-OCH3;
linkage at positions 34 and 35 is 3'-3'.

<400> 182
ggagguuauu acagagucug uauagcugua cucc 34

<210> 183
<211> 34
<212> RNA
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Sequence

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<223> All pyrimidines are 2'F; a's and g's at positions
1-5, 8, 11, 13-16, 20, 24-25, 28 and 30 are
2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 183
ggagguuauu acagagucug uauagcugua cucc 34

<210> 184
<211> 34
<212> RNA
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<220>
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Sequence

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1-5, 8, 11, 13-16, 25, 28 and 30 are 2'-OCH3;
linkage at positions 34 and 35 is 3'-3'.

<400> 184
ggagguuauu acagagucug uauagcugua cucc 34

<210> 185
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Sequence

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1-5, 11, 13-16, 25, 28, and 30 are 2'-OCH3;
linkage at positions 34 and 35 is 3'-3'.

<400> 185
ggagguuauu acagagucug uauagcugua cucc 34

<210> 186
<211> 34
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Sequence

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1-4, 13-16, 25, 28 and 30 are 2'-OCH3; linkage at
positions 34 and 35 is 3'-3'.

<400> 186
ggagguuauu acagagucug uauagcugua cucc 34

<210> 187
<211> 33
<212> RNA
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<220>
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Sequence

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<223> All pyrimidines are 2'F; a's and g's at positions
1-5, 10, 12-15 24, 27 and 29 are 2'-OCH3; linkage
at positions 33 and 34 is 3'-3'.

<400> 187
ggagauauua cagagucugu auagcuguac ucc 33

<210> 188
<211> 32
<212> RNA
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<220>
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Sequence

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<223> All pyrimidines are 2'F; a's and g's at positions

1-4, 10, 12-15, 24, 27 and 29 are 2'-OCH3; linkage at positions 32 and 33 is 3'-3'.

<400> 188
gggguuauua cagagucugu auagcuguac cc 32

<210> 189

<211> 34
<212> RNA
<213> Artificial Sequence

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<223> All pyrimidines are 2'F; linkage at positions 34 and 35 is 3'-3'.

<400> 189
ugugaauauu agagagucug uauagcucua cccc 34

<210> 190
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<400> 190
ugugaauauu agagagucug uauagcucua cccc 34

<210> 191
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<220>
<221> modified_base
<222> (1)..(34)

<223> All pyrimidines are 2'F; a's and g's at positions 2, 4-6, 8, 11-16, 20, 24-25, and 30 are 2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 191
ugugaauau agagagucug uauagcucua cccc

34

<210> 192
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<220>
<221> modified_base
<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions 2, 4, 11, 13-16, 25 and 30 are 2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 192
ugugaauau agagagucug uauagcucua cccc

34

<210> 193
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<220>
<221> modified_base
<222> (1)..(34)
<223> All pyrimidines are 2'F; a's and g's at positions 2, 4-6, 11-16, 25 and 30 are 2'-OCH3; linkage at positions 34 and 35 is 3'-3'.

<400> 193
ugugaauau agagagucug uauagcucua cccc

34

<210> 194
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 1-3 and 5 are 2'-OMe.

<220>

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<223> Description of Artificial Sequence: Synthetic
Sequence

<400> 194
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 195
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 12 and 16-18 are 2'OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
Sequence

<400> 195
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 196
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 21, 23-24 and 28 are
2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
Sequence

<400> 196
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 197
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 30-31, 38 and 42 are
2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
Sequence

<400> 197

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gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 198
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 1, 21, 23-24 and 28 are 2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<400> 198
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 199
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 2, 21, 23-24 and 28 are 2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<400> 199
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 200
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 3, 21, 23-24 and 28 are 2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<400> 200
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

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<210> 201
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 5, 21, 23-24 and 28 are
      2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
      Sequence

<400> 201
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 202
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 12, 21, 23-24 and 28 are
      2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
      Sequence

<400> 202
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 203
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 16, 21, 23-24 and 28 are
      2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
      Sequence

<400> 203
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 204
<211> 42
<212> RNA

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<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 17, 21, 23-24 and 28 are
      2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
      Sequence

<400> 204
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 205
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 18, 21, 23-24, and 28 are
      2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
      Sequence

<400> 205
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 206
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 21, 23-24, 28 and 30 are
      2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
      Sequence

<400> 206
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 207
<211> 42
<212> RNA
<213> Artificial Sequence

<220>

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<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 21, 23-24, 28 and 31 are
2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
Sequence

<400> 207
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 208
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base.
<222> (1)..(42)
<223> A's and g's at positions 21, 23-24, 28 and 38 are
2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
Sequence

<400> 208
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 209
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 21, 23-24, 28 and 42 are
2'-OMe.

<220>
<223> Description of Artificial Sequence: Synthetic
Sequence

<400> 209
gggugccuuu ugccuagguu gugauuugua accuucugcc ca 42

<210> 210
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(42)
<223> A's and g's at positions 1-3, 16-18, 21, 23-24,

```

28, 30-31 and 42 are 2'-OMe; linkage at positions 42 and 43 is 3'-3'.

<220>

<223> Description of Artificial Sequence: Synthetic Sequence

<400> 210

gggugccuuu ugccuagguu gugauuugua accuucugcc ca

42

<210> 211

<211> 42

<212> RNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (1)..(42)

<223> A's and g's at positions 1-3, 16-18, 21, 23-24, 28, 30 and 42 are 2'-OMe; linkage at positions 42 and 43 is 3'-3'.

<220>

<223> Description of Artificial Sequence: Synthetic Sequence

<400> 211

gggugccuuu ugccuagguu gugauuugua accuucugcc ca

42

<210> 212

<211> 41

<212> RNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (1)..(41)

<223> A's and g's at positions 1-3, 16-18, 21, 23-24, 28 and 30-31 are 2'-OMe; linkage at positions 41 and 42 are 3'-3'.

<220>

<223> Description of Artificial Sequence: Synthetic Sequence

<400> 212

gggugccuuu ugccuagguu gugauuugua accuucugcc c

41

<210> 213

<211> 37

<212> RNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (1)..(37)

<223> A's and g's at positions 1-3, 16-18, 21, 23, 25-26

and 37 are 2'-OMe; linkage at positions 37 and 38 is 3'-3'.

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<400> 213
gggugccuuu ugccuagguu guguaaccuu cugccca 37

<210> 214
<211> 35
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(35)
<223> A's and g's at positions 1-3, 16-18, 21, 23-24 and 35 are 2'-OMe; linkage at positions 35 and 36 is 3'-3'.

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<400> 214
gggugccuuu ugccuagguu guaaccuucu gccca 35

<210> 215
<211> 33
<212> RNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (1)..(33)
<223> A's and g's at positions 1-3, 16-18, 21-22, and 33 are 2'-OMe; linkage at positions 33 and 34 is 3'-3'.

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<400> 215
gggugccuuu ugccuagguu aaccuucugc cca 33

<210> 216
<211> 42
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Sequence

<400> 216

gggugccuuu ugccuaggguu gugauuugua accuuucugcc ca

42